



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/524,766	08/31/2005	Georg Ludviksson	3535-0139PUS1	3420

2292 7590 12/23/2008
BIRCH STEWART KOLASCH & BIRCH
PO BOX 747
FALLS CHURCH, VA 22040-0747

EXAMINER

KENDALL, CHUCK O

ART UNIT	PAPER NUMBER
----------	--------------

2192

NOTIFICATION DATE	DELIVERY MODE
-------------------	---------------

12/23/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary	Application No. 10/524,766	Applicant(s) LUDVIKSSON ET AL.	
	Examiner CHUCK O. KENDALL	Art Unit 2192	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02/16/05 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>02/16/05</u> . | 6) <input type="checkbox"/> Other: _____ |

Detailed Action

1. This is in response to application filed 08/31/05.
2. Claims 1 – 25 have been examined.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 1 – 25 are rejected under 35 U.S.C. 102(e) as being anticipated by Walsh et al. US 6,810,429 B1.

Regarding claims 1, 17 and 25, a management system for execution of tasks involving context-independent processing of structured data, the system comprising:

means for receiving a request from an external client (FIG. 8, see update request by Agent),

a context-independent engine (FIG. 1b, see 131, for Rules engine/RE),
at least one adapter module for communicating between said external client and said context-independent engine, and adapting the context-independent engine to a specific application context (FIG. 1b, 120 and all associated text),

at least one generator module connected to at least one back-end system residing on a computer network and is adapted to expose said at least one back-end system data as structured data ready for further processing (FIG.1b, see 111 and all associated text),

at least one sink module connected to said at least one transformer for receiving said processed structured data adapted to interpreting and reacting according to the processed structured data and/or delivering the processed structured data back to said requested external client through said adapter module (9:40 – 50, also see 10:1 – 20 for mapping),

wherein the communication between the external client and the context-independent engine comprises means for selecting at least one generator module and at least one sink module for carrying out said processing of the structured data according to predefined set of instructions defined in an electronic document written in a special purpose programming

Art Unit: 2192

language, designed for the management of processing any structured data (10:1 – 20 for mapping).

Regarding claim 2, the management system according to claim 1, wherein one or several transformer modules are connected to said at least one generator adapted to receive and transform said structured data from said at least one generator to a processed structured data (10:1 – 20, see converting).

Regarding claim 3, the management system according to claim 1, wherein said context-independent engine reads and interprets said electronic document, written in said special purpose programming language, and controls thereby the execution within the management system (9:35 – 38, see rules language).

Regarding claims 4 and 18, the management system according to claim 1, wherein the processing of the said structured data is performed in the Extensible Mark-up Language (XML) format (FIG. 1b, see 110 and all associated text).

Regarding claims 5 and 19, the management system according to claim 1, wherein said adapter module is capable of receiving and responding to requests received through Hyper Text Transfer Protocol (HTTP) (FIG. 1b, see 122).

Regarding claim 11, the management system according to claim 1, wherein the system is a presentation system comprising:

at least one adapter modules for receiving requests for content residing in back-end system from at least one network client, a transformer module for transforming, in at least one step, XML source content into mark-up suitable for said at least one client, including (10:1 – 20):

transforming the XML source content to client independent mark-up, adapting said client-independent mark-up to a version suitable for the particular type of client which requested said content, sink module for delivering said mark-up to said clients (10:1 – 20).

Regarding claim 13, the management system according to claim 1, wherein the system is a messaging system comprising: at least one adapter module adapted to communicate with external systems through a standardized electronic business protocol, at least one generator module adapted to extract business data from source and destination system and

Art Unit: 2192

expose it as XML, at least one transformer module adapted to transform the relevant XML business source data into business messages, at least one sink module adapted to delivering the business messages (FIG. 1b, see 110 and all associated text).

Regarding claim 14, the management system according to claim 1, wherein the standardized business protocol is electronic business XML (ebXML) (FIG. 1b, see 110 and all associated text).

Regarding claim 15, the management system according to claim 1, wherein said system is an integration system comprising: means for initiating execution of XML processing tasks without invocation from an external client, means for synchronization of data between disparate source and destination systems wherein:

at least one generator modules extracts data from the said source system and convert it to XML source data, at least one transformer modules transforms the XML source data into an XML format compatible with delivery into the said destination system, at least one sink modules with means for delivering the processed XML into the destination system, means for business process management and execution where each discrete task of a business process is defined and executed as a single XML processing task,

Art Unit: 2192

and means for publishing a hypertext file set on the World Wide Web with information about the status of a business process in execution (FIG. 1b, see 110 and all associated text).

Regarding claim 16, the management system according to claim 1, wherein the request from the external client contains information or data, which are used by the adapter module to determine which electronic document to execute (FIG.4 and all associated text).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 6 – 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Walsh et al. US 6,810,429 B1 in view of Reisman US 2003/0229900.

Regarding claims 6 and 20, Walsh discloses all the claimed limitations as applied in claim 1 above. Walsh doesn't expressly disclose, wherein the said adapter module is capable of receiving and responding to requests received through Short Message Service (SMS). However, Reisman in an analogous art and similar configuration discloses Transmission or network protocols may include SMS and MMS services [0087]. Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Walsh and Reisman because it would enable implementing sms type communication as suggested by Reisman above.

Regarding claims 7 and 21, the management system according to claim 1, wherein the adapter module is capable of receiving and responding to requests received through Multimedia Message Service (MMS) [0087].

Regarding claims 8 and 22, Walsh discloses all the claimed limitations as applied in claim 1 above. Walsh doesn't expressly disclose, wherein the adapter module is capable of receiving and responding to requests received through Simple Object Access Protocol (SOAP). However, Reisman in an analogous art and similar configuration discloses use of web based service using the SOAP standards for specifying URL in Hypermedia linking

Art Unit: 2192

systems[0519]. Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Walsh and Reisman because it would enable the system to be more current as suggested by Reisman above.

Regarding claims 9 and 23, the management system according to claim 1, wherein said transformer module is capable of transforming XML data using Extensible Stylesheet Language Transformations (XSLT) Reisman [0411].

Regarding claims 10 and 24, the management system according to claim 1, wherein said at least one generator module is adapted to communicate with at least one of the following back-end systems and convert their native data format to XML format:

any ODBC or JDBC compliant databases, file system on the computer in which the said management system is executing, any data source capable of communicating using the Hyper Text Transfer Protocol (HTTP) (Walsh FIG. 1b, see 122), any data source capable of communicating using the Simple Object Access Protocol (SOAP) [Reisman, 0519], Microsoft Exchange TM Personal Information Management (PIM) system, lotus Domino TM Personal Information Management (PIM) system, any directory service through the

Art Unit: 2192

Light-weight Directory Access Protocol (LDAP), any email system through Simple Mail Transfer Protocol (SMTP), Post Office Protocol (POP/POP3) or Internet Message Access Protocol (IMAP) [for at least one of the following backends see Reisman, 0519].

Regarding claim 12, the management system according to claim 1, wherein the format of the request from said at least one client is at least one of the following formats:

portable document format (PDF), client-specific Hypertext Mark-up Language (HTML), client-specific Wireless Mark-up Language (WML), short Message Service (SMS), Multimedia Message Service (MMS), and compact HTML (cHTML) xHTML [see 0087 for sms].

Correspondence Information

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuck Kendall whose telephone number is 571-272-3698. The examiner can normally be reached between Monday and Thursday, at 11:00 am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Dam can be reached on 571-272-3695. The fax

Art Unit: 2192

phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Chuck O Kendall/

Primary Examiner, Art Unit 2192